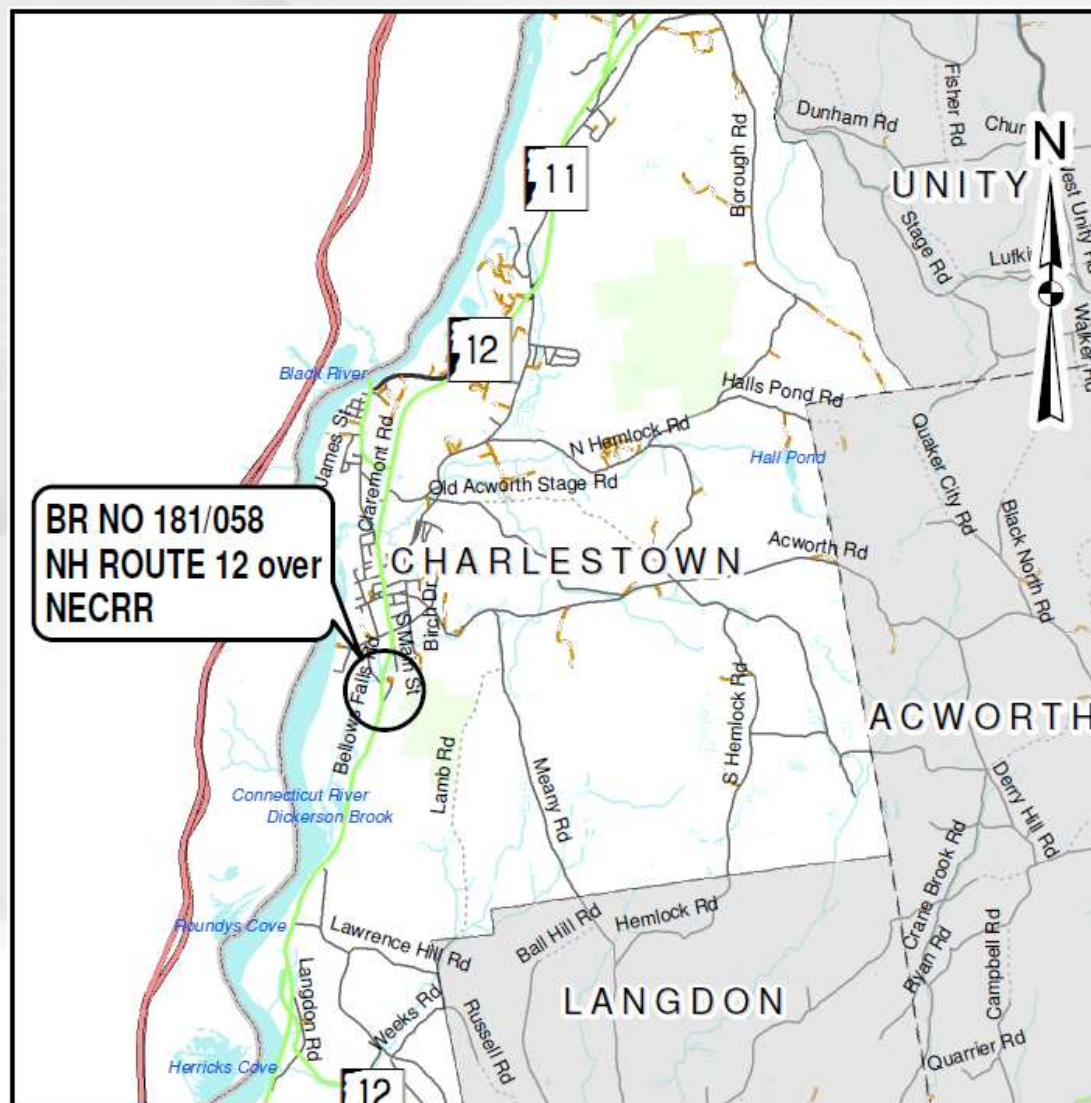


NHDOT Project 42484

Charlestown Bridge Preservation

Charlestown Bridge #181/058, NH 12 over NECRR

Overall Project Area





Charlestown 181/058

Bridge Data



- Constructed in 1959
- 67-ft bridge length
- 47-ft 6-in bridge width (*44-ft curb-curb*)
- 46° bridge skew
- Deck rated 6 – Satisfactory
- Superstructure rated 6 – Satisfactory
- Substructure rated 7 – Good
- 2018 AADT is 5,080 VPD with 7% trucks
- Tier 2

Existing Condition

South East Fascia



North West Fascia



Existing Condition

South Abutment Deterioration



View of Underside of Bridge



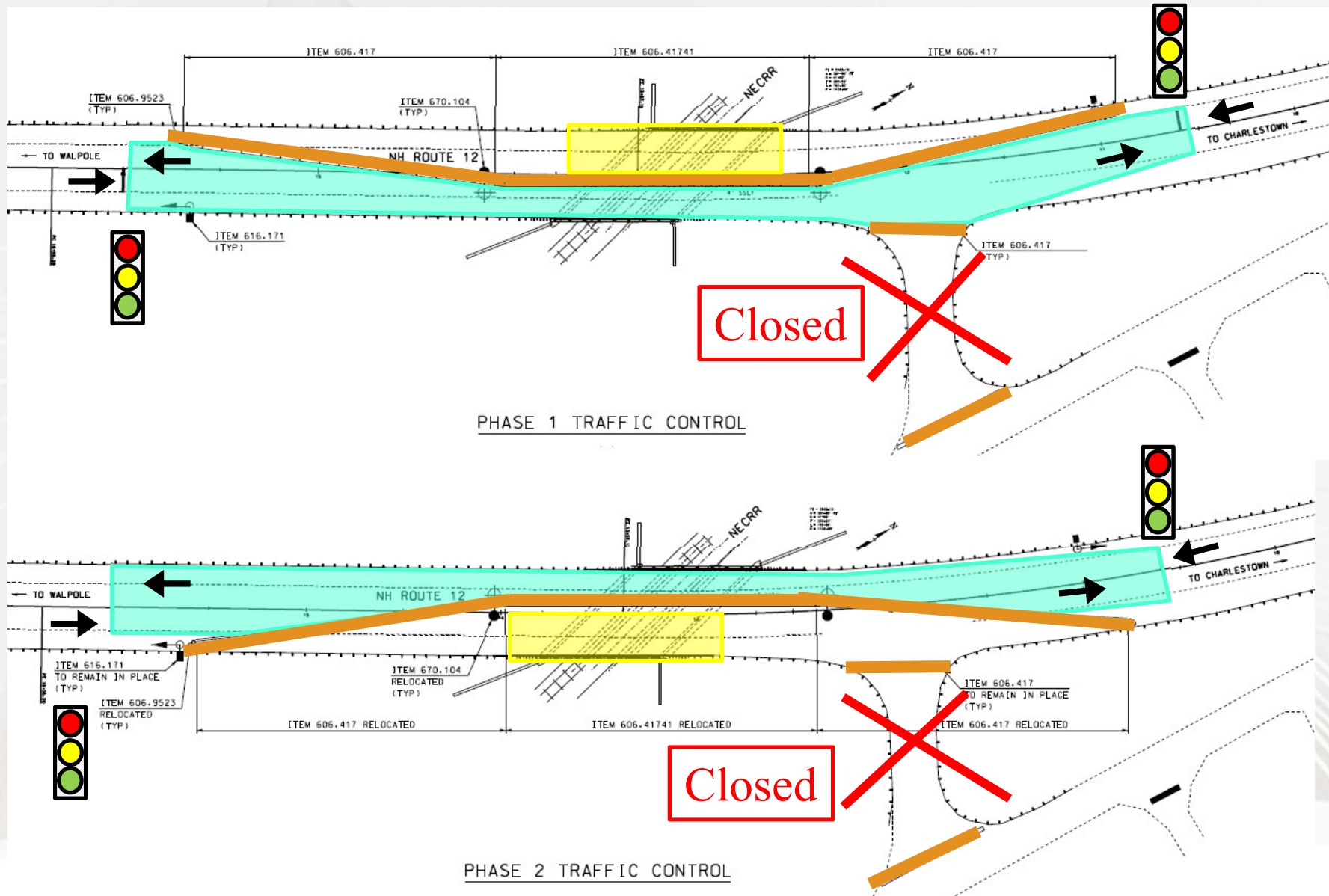
North West Fascia to be Replaced



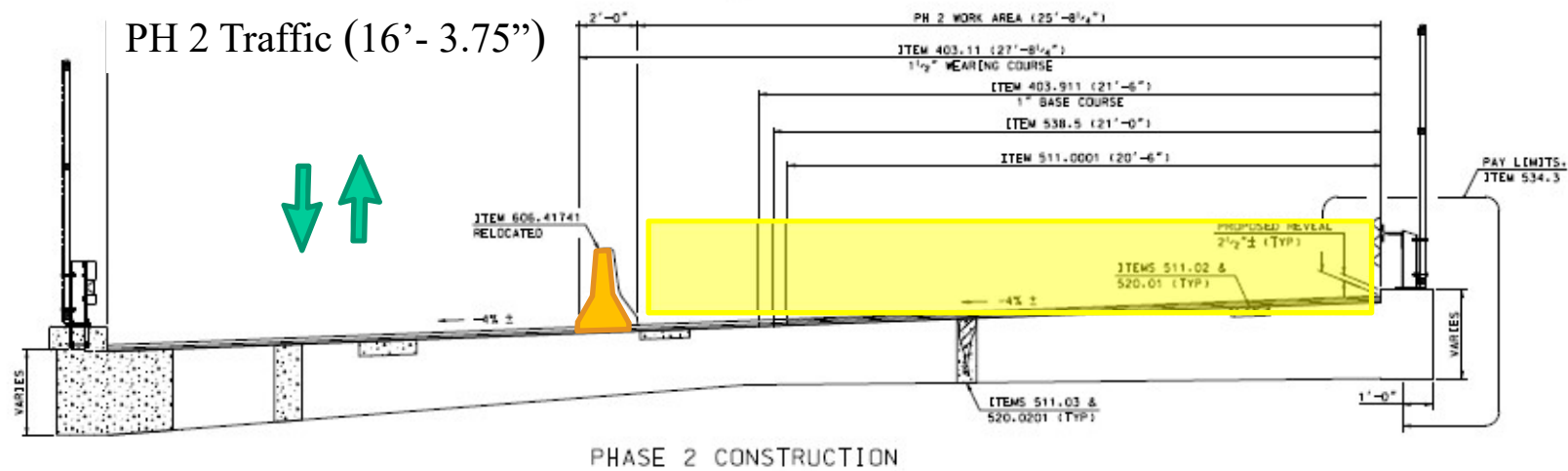
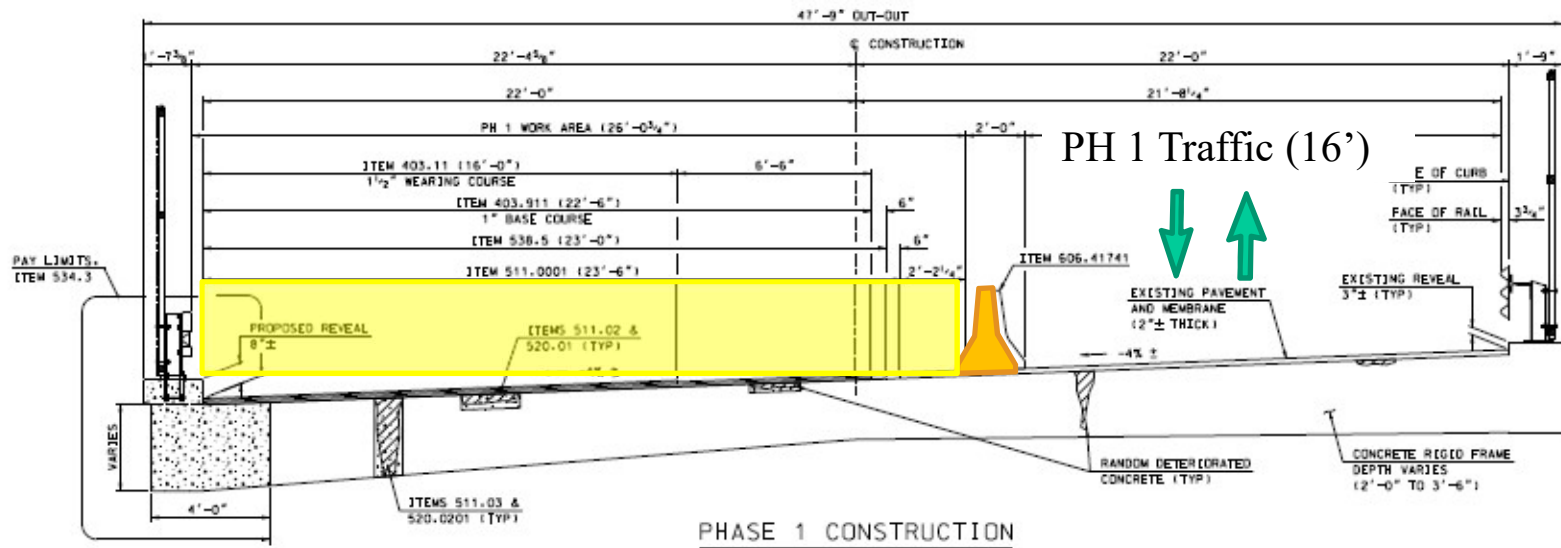
Scope of Work

- Bridge Preservation
 - Partial and Full Depth Concrete Deck Repair
 - Replace Pavement and Membrane
 - Install Galvanic Anodes
 - Repair Abutment Spalls
- North West Fascia
 - Remove Deteriorated Fascia Concrete
 - Replace Fascia Concrete
 - Replace NW Bridge and Approach Rail
- Traffic Control
 - One Lane of Alternating Two Way Traffic - Signalized

Traffic Control



Traffic Control



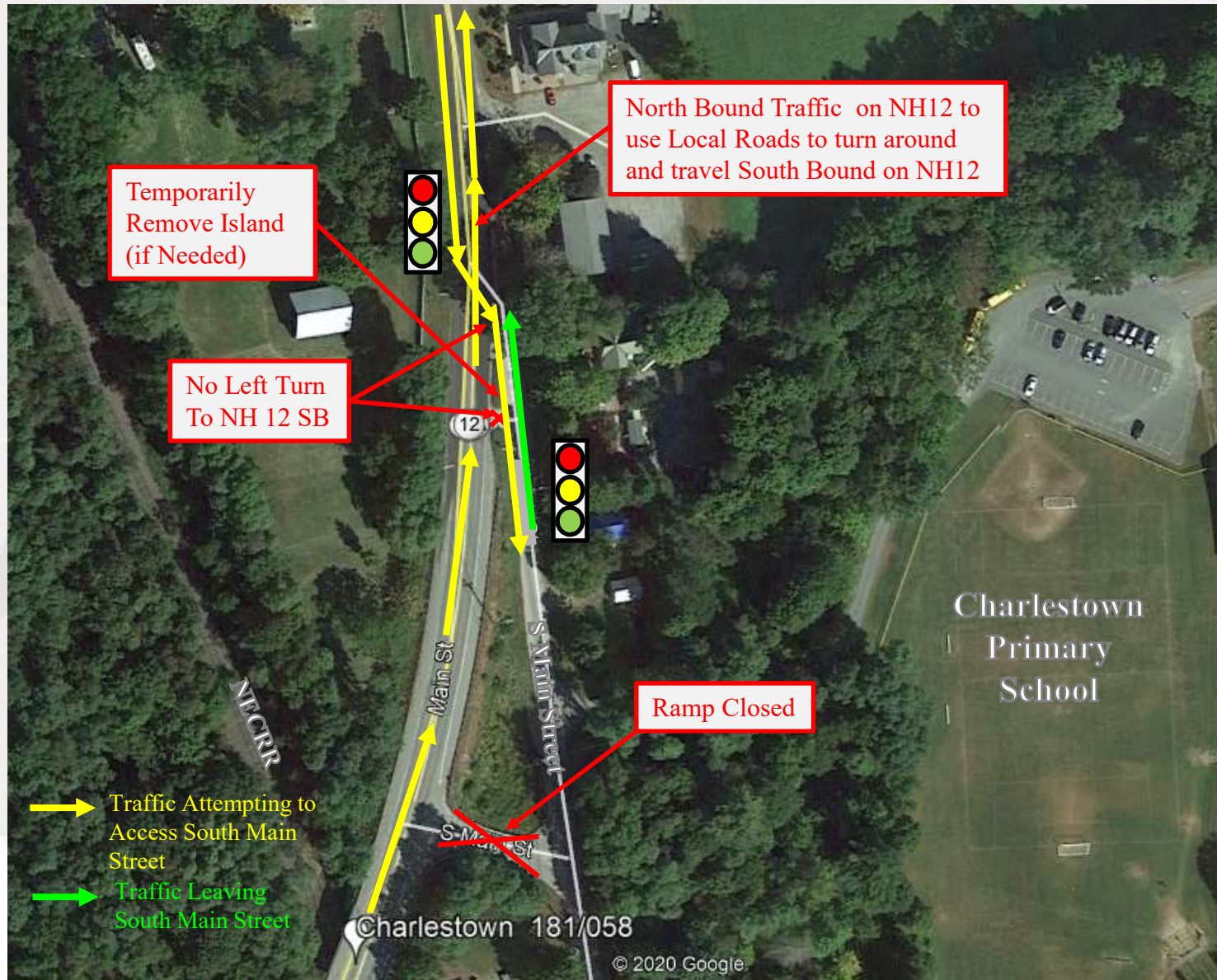
Traffic Control Options (South Main Street)

- Option 1 – Access Through School Property
- Option 2 – Allow South Bound Access at North End South Main Street
- Both Options Require Detour on Town Roads

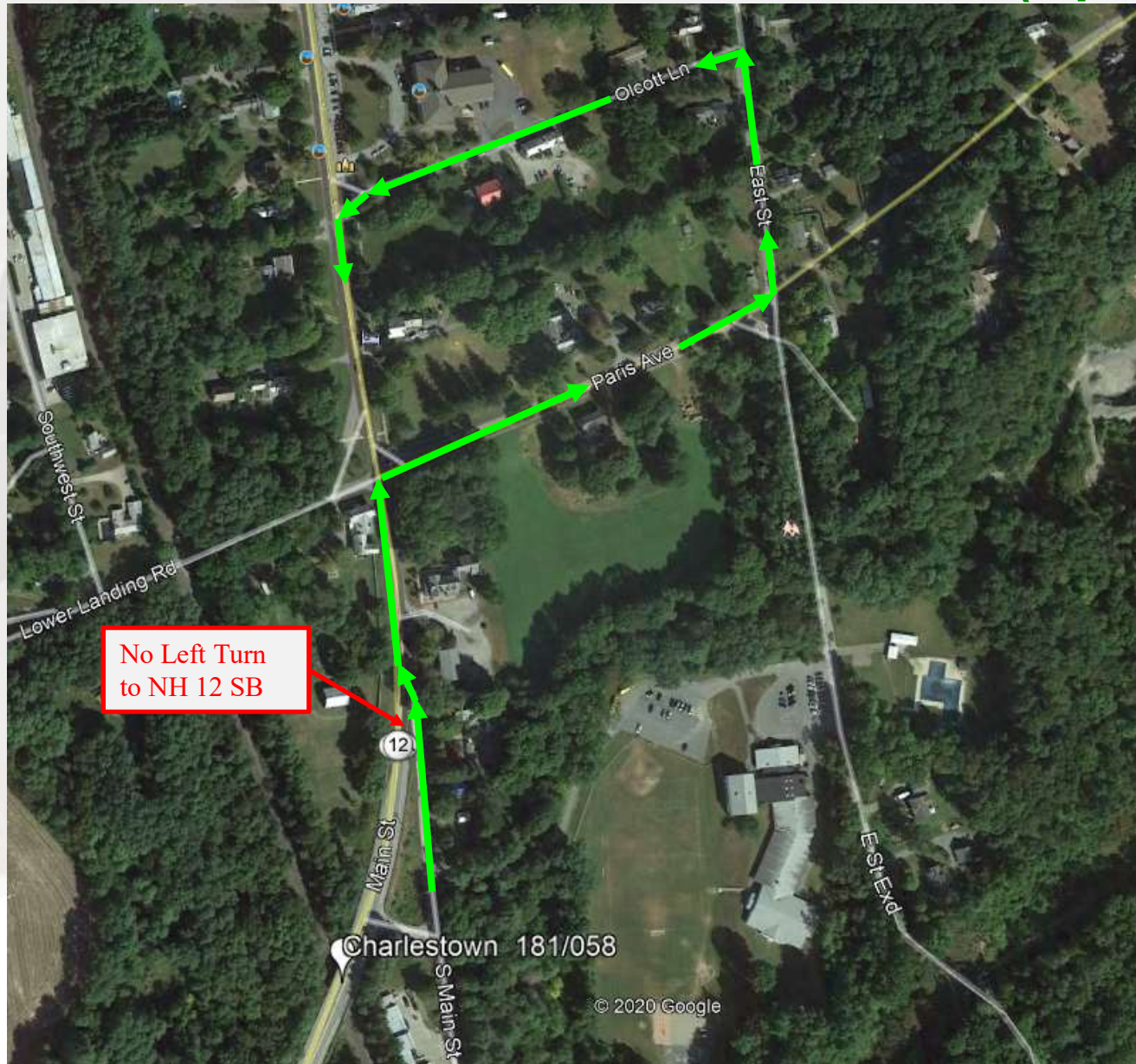
Option 1 – Access Through School Property



Option 2 – Allow South Bound Access at North End South Main Street



S. Main Street to NH 12 S.B. Detour (signed if needed) (NH 12 N.B. to S. Main Street S.B. similar (Option 2))



Project Estimate

- Construction Estimate = \$730,000
- Total Project Cost (Includes Engineering) = \$848,000

Project Schedule

- **November 18, 2020** | Public Officials/ Public Informational Meetings during town Selectmen's Meetings
- **May 4, 2021** | Advertisement
- **Spring/ Summer of 2022** | Start Construction
- **August 19, 2022** | Completion of Construction

QUESTIONS?

**For additional questions please reach out to
our Project Manager:**

David L. Scott, PE

In-House Design Chief, Bureau of Bridge Design – NHDOT

Phone: (603)-271-2731

Email: David.L.Scott@dot.nh.gov

**Or visit the Charlestown 42484 project
Website:**

<https://www.nh.gov/dot/projects/charlestown42484/index.htm>